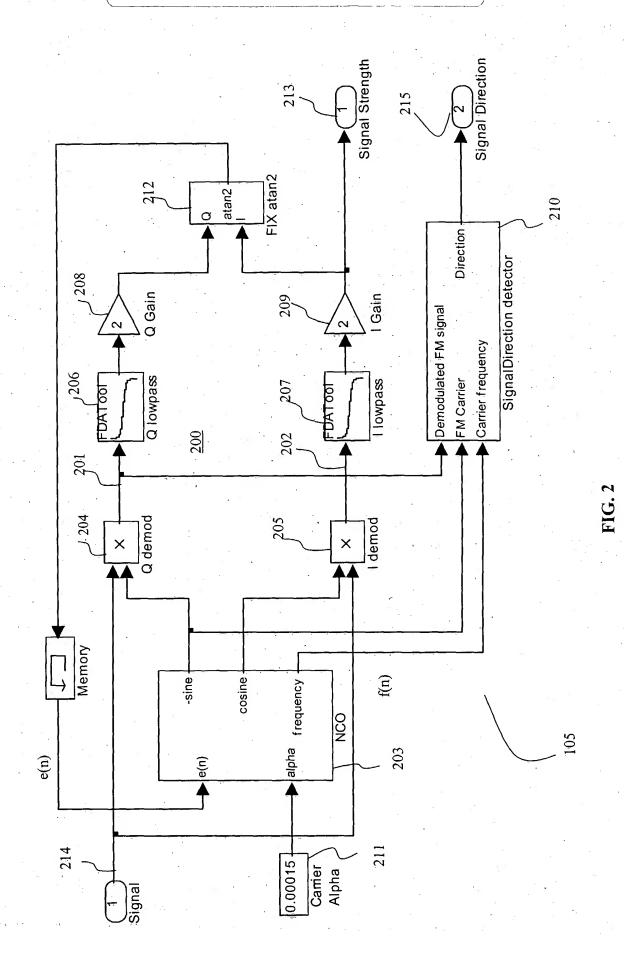
In re Application of James W. WAITE et al.
Filed: July 18, 2003
Title: Method and Apparatus for Digital Detection of
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Metallic Pipes and Cables
Fig. 1 (Sheet 1 of 11) Locator Display 106 Signal Strength Signal Direction Digital Detector 105 Analog-to-Digital Converter Analog Anti-alias filter Programmable Gain

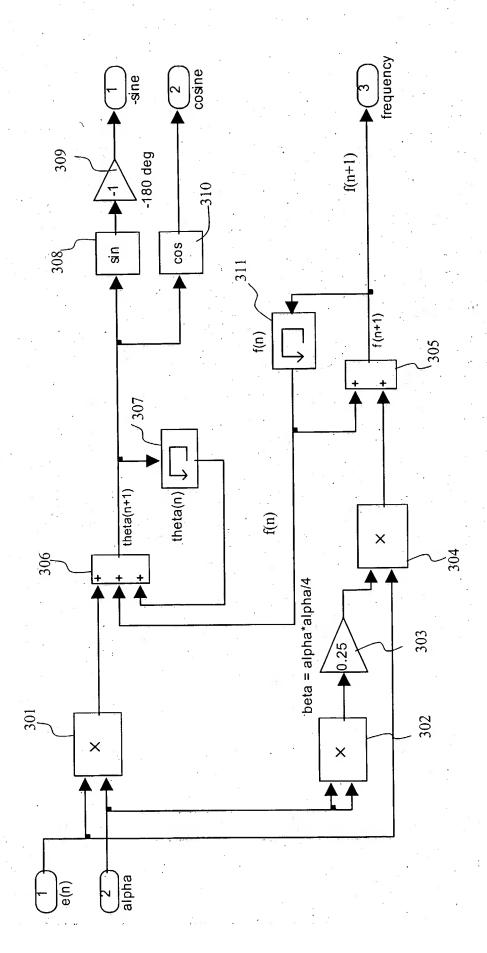
> Signal, interference, and noise (from antenna)

100

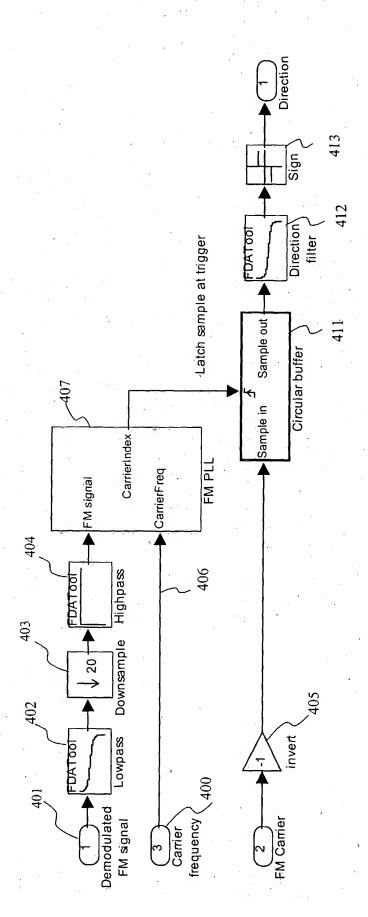
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Fig. 2 (Sheet 2 of 11)



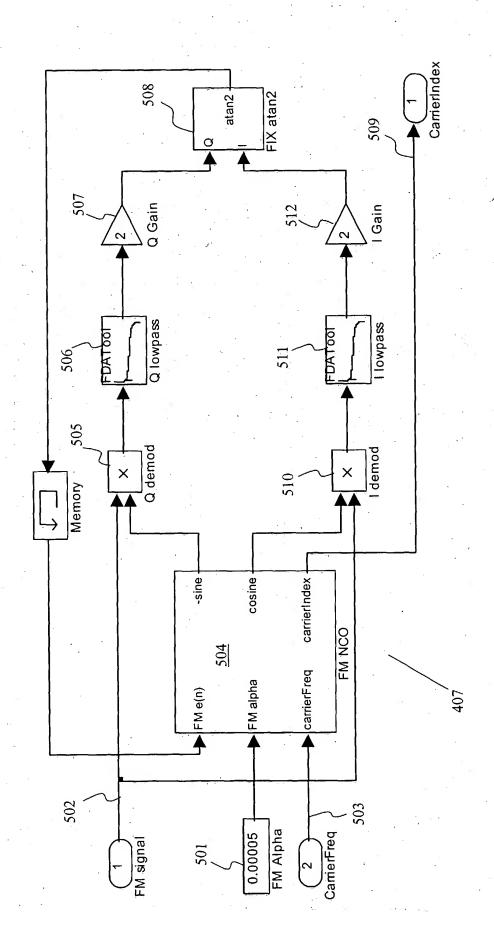
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Fig. 3 (Sheet 3 of 11)



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Fig. 4 (Sheet 4 of 11)



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Fig. 6 (Sheet 6 of 11)

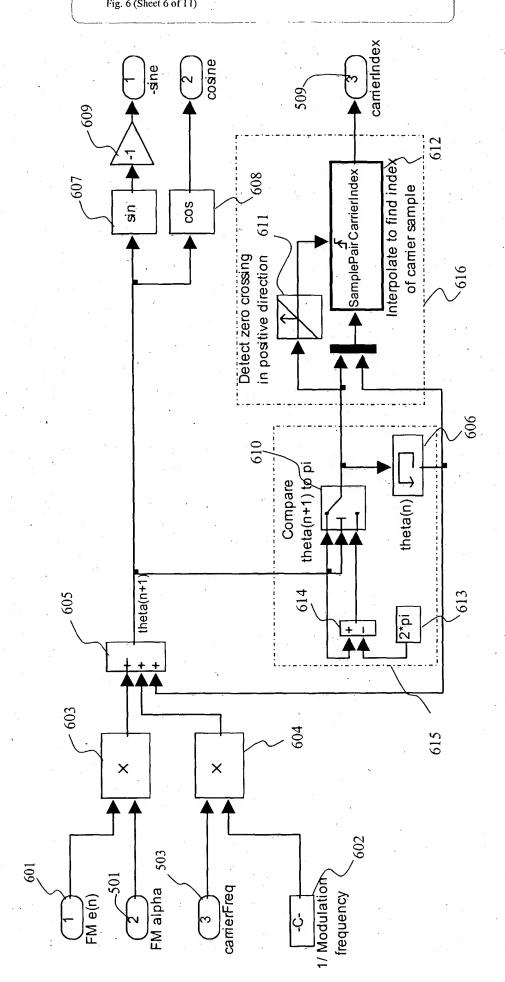
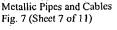
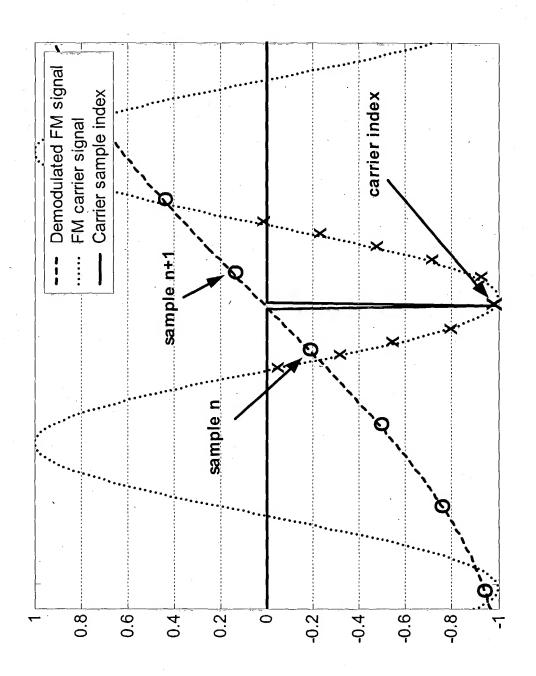


FIG. 6

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Fig. 7 (Sheet 7 of 11)

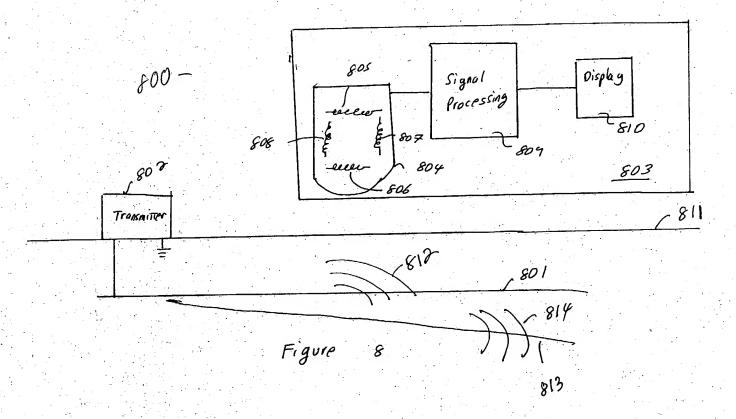




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Figs. 8 and 10A (Sheet 8 of 11)

Figs. 8 and 10A (Sheet 8 of 11)



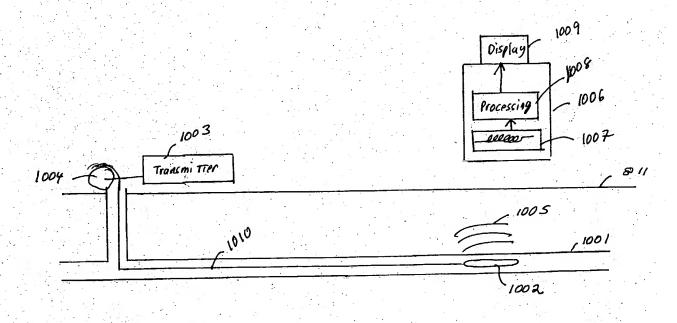
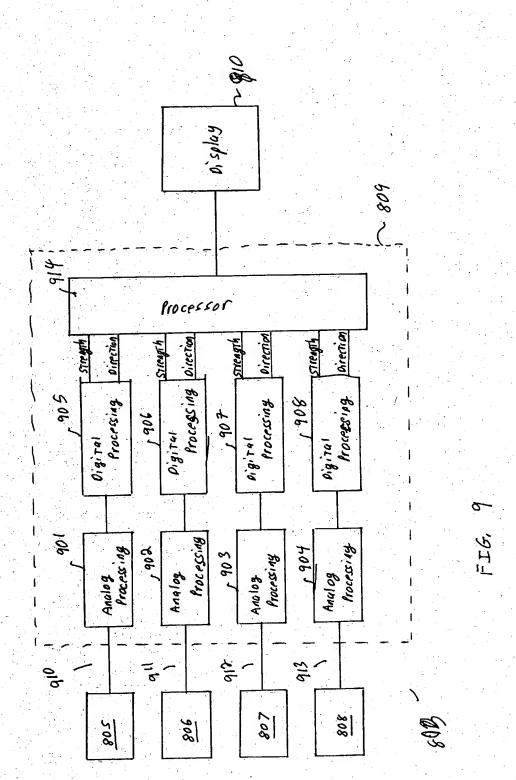


Figure 10 A

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Fig. 9 (Sheet 9 of 11)



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Fig. 10B (Sheet 10 of 11)

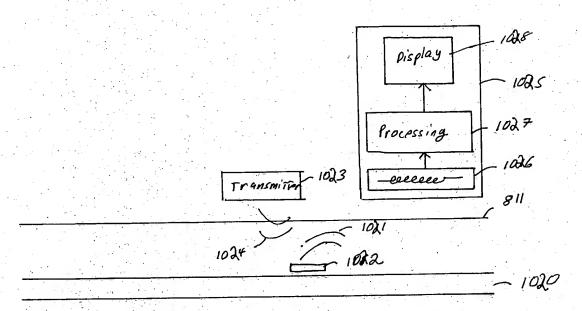


FIG. 10 B

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